Journal of Statistical Physics, Vol. 5, No. 3, 1972

Author Index to Volume 5

Alexandrowicz, A., 19
Altenberger, A. R., 83
Aono, O., 113

Bharucha-Reid, A. T., 209
Biswas, A. C., 173
Brickman, L., 133

Cukier, R. I., 99

Deutch, J. M., 145
Dutta, M., 127

Frisch, H. L., 133

Kannan, D., 209

Myerscough, C. J., 35, 59

Patera, J., 185
Pierce, W. H., 189
Poland, D., 159

Rudd, W. G., 133

Scott, J. I., 145
Shuler, K. E., 99
Stecki, J., 83

Weeks, J. D., 99

Yen, J. T., 1

© 1972 Plenum Publishing Corporation, 227 West 17th Street, New York, N.Y. 10011.

Journal of Statistical Physics, Vol, 5, No. 3, 1972

Subject Index to Volume 5

Action–angle variables, 173
Analytical generalization, 1
Avoidance of infinite system limit, 35, 59

Banach fixed point theorem, 209
Best estimate, 127
Brownian motion, 209

Cauchy polygonal approximation, 209
Coarse-grained probability density, 35, 59
Coherent states, 173
Collision integral, 83
Communications theory, 213
Computer study, 19
Conjugate property, 173

Diagram techniques, 35, 59
Diffusion, 113
Dilute systems, 1
Dynamics of correlations, 145

Electrolyte solution, 113
Ensemble theory, 19
Entropy production, 1
Estimation theory, 189

Fokker–Planck equation, 99
Forces and fluxes, 113

Gauge invariance, 185
Gauss principle of arithmetic mean, 127
Gibbsian relation, 1

High-temperature plasma, 113
Hydrodynamic equation of motion for component, 113

Infinite matrices, 213
Information theory, 189
Intermolecular potential, 133
Inverse problem, 133
Ising lattice, 19

Kinetic theory, 1, 35, 59

Langevin equation, 209
Laplace transform in statistical mechanics, 133
Lattice solution, 159
Linear harmonic chain, 99
Location parameter, 127
Long-range order, 19

Matrix formulation, 159
Matrix-generating functions, 189
Matrix z-transforms, 189
Maximum term of partition function, 19
Memory function, 83
Metropolis method, 19
Momentum autocorrelation function, 99
Monte Carlo, 19
Most probable value, 127

Navier–Stokes equation, 113
Nonequilibrium statistical mechanics, 35, 59
Nonequilibrium thermodynamics, 1, 113
Nonlocal linear relation, 113

© 1972 Plenum Publishing Corporation, 227 West 17th Street, New York, N.Y. 10011.

Non-Markovian kinetic equation distribution function, 83
Number conservation, 173

One-dimensional, 159
Onsager's reciprocity, 113
Orthogonal functions, 189

Path integral, 185
Periodic difference equations, 189
Periodic linear transformations, 189
Periodic processes, 189
Phase transition, 19
Projection operator, 83
Pulse amplitude modulation, 189

Quantum mechanical master equation, 145
Quantum mechanics, 185

Radial distribution functions, 159
Random integral equation, 209
Random processes, 189
Redfield equation, 145
Relaxation process, 19

Second virial coefficient, 133
Smoothed probability density, 35, 59
Spin correlations, 145
State variable, 113
Statistical mechanics, 209
Statistical periodicity, 189
Stochastic equations, 99
Stochastic integral, 185
Stochastic models, 19
Synchronization, 189

Temperature dependence of second virial coefficient, 133
Thermodynamic limit, 99
Time-correlation function, 83
Toeplitz matrices, 189

Viscosity, 113

Weak coupling limit, 99
Weak interaction master equation, 35, 59

Printed in Belgium